
From: laurac@brazoria-county.com
Sent: Tuesday, January 24, 2012 12:13 PM
To: Khan, Annie (DPH)
Subject: RE: Amphetamine Extraction

Thanks Annie,

I guess I read your post wrong, my mind was on toxicology and I saw your post about amphetamines. I assumed a blood extraction by GC/MC not a drug extraction. I apologize, but thanks for getting back to me so soon!

Have a good week!

Laura

-----Original Message-----

From: Khan, Annie (DPH) [mailto:annie.khan@state.ma.us]
Sent: Tuesday, January 24, 2012 10:21 AM
To: sheriff-laurajo
Subject: Amphetamine Extraction

Hi Laura,

I am not sure how well these extraction methods are going to work with blood samples.

A. Base Conversion (Method 1)

- i. Place about 1-3mg or mL of the sample into a labeled culture tube.
- ii. Add about 1-2mL of 0.1N sodium hydroxide to the sample in the labeled culture tube. Allow the sample to solubilize for about 2-3 hours or overnight.
- iii. Add about 1-2mL of hexane to the labeled culture tube and mix gently.
- iv. Remove the hexane layer from the solution. Transfer the extract into a labeled GC vial and cap tightly.

B. Base Conversion (Method 2)

- i. Place about 1-3mg or mL of the sample into a labeled culture tube.
- ii. Add about 1-4 drops of ammonium hydroxide to the sample in the labeled culture tube.
- iii. Add about 1-2mL petroleum ether to the labeled culture tube and mix gently.
- iv. Remove and transfer the extract into a labeled GC vial and cap tightly.

Hope this helps. Good Luck!!!

Thanks,

Annie
Drug Analysis Lab
617-983-6622 (work)
617-983-6625 (fax)

This message has been prepared or disseminated using resources owned by Brazoria County and is subject to the County's policies on the use of County provided technology. Email created or received through the County's computer system by any County employee or official may be considered a public record, subject to public inspection under the laws of the State of Texas.